

# California Postsecondary Education Commission

## Improving Teacher Quality State Grants Program

### Project Description

Project Title	Central Coast Science Project Teacher Retention Initiative		
Grant Amount: \$334,000	Grant Period: February 1, 2007 to January 30, 2011		
Grade Level:	Subject Matter: Science		
Institute of Higher Education	<input type="checkbox"/> Cal Poly, San Luis Obispo		
Local Education Agency	<input type="checkbox"/>		
Additional Partners:	<input type="checkbox"/>		
Need for Project/ Population To Be Served:	<p>The Central Coast Science Project will partner with the Santa Maria-Bonita School district, the Santa Maria High School District and the Guadalupe school district to target all science teachers in the middle schools and high schools. A variety of activities will be designed to engage the new teachers as well as veterans. The core group will support the developing of English language and literacy programs with strong scientific inquiry teaching units. In addition, Cal Poly faculty will support the adopted instructional materials and provide additional classroom assistance by involving Science undergrads in the classroom.</p>		
Project Goals:	<ol style="list-style-type: none"> <li>1. Create a learning and peer-mentoring network of professional science teachers around the Santa Maria-Bonita district. This network will include the Guadalupe district and the Santa Maria High School.</li> <li>2. Provide science content summer institutes in a variety of disciplines including Chemistry, Physics, Earth Science and Biology and requested by participants.</li> <li>3. Develop three positions of teacher involvement that foment opportunities for all teachers in different stages of their professional career and focus on practice and developing professional trajectories.</li> <li>4. Offer English language and literacy programs strongly tied to science.</li> </ol>		
Summary of Activities:	<p>The CCSP-TRI group will begin recruiting teachers in the program with a science literacy mini-institute in the Spring. The summer content institutes will be extended for the teacher leadership group that will consist on a selected science teacher in a target area: chemistry, physics, earth science or biology. The leader teachers will work with IHE faculty to design the content area plus serve as mentors to sub-groups. All participants will collaborate in science lessons and units that develop English language and literacy via the Lesson Study protocol. Dissemination of their work will be encouraged using on-line science websites like MERLOT and TeacherNet and will the participate in the eMSS program.</p>		
Outcomes Expected:	<input type="checkbox"/> Teacher participation in both professional development activities and professional learning communities will provide professional support, encouragement and community that enables effective teaching and generates long term commitments to the students and schools where they practice.		
Teachers Served	120	Students Served	1290
Project Website:			
<u>Lola Berber-Jimenez</u> IHE Contact	Email: <a href="mailto:lberberj@calpoly.edu">lberberj@calpoly.edu</a>	_____ LEA Contact	Email:
	Phone: 805-756-0292		Phone: